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ECHOTORRENT[®] 12MM DATASHEET

TABLE OF CONTENTS



ECHOTORRENT® 12MM	1
TENDER TEXT	3
DATASHEET ECHOBOARD® 12MM	4
COLOURS ECHOBOARD® 12MM	5
DIMENSIONS & PARTS	6
ECHOTORRENT® 12MM OBLONG.....	6
ECHOTORRENT® 12MM BUTTERFLY	7
ECHOTORRENT® 12MM DIAGONAL	8
ECHOTORRENT® 12MM DOT	9
ECHOTORRENT® 12MM DROP A	10
ECHOTORRENT® 12MM DROP B	11
ECHOTORRENT® 12MM ELLIPSE A	12
ECHOTORRENT® 12MM ELLIPSE B	13
ECHOTORRENT® 12MM HEXAGON A	14
ECHOTORRENT® 12MM HEXAGON B	15
ECHOTORRENT® 12MM PLANK	16
ECHOTORRENT® 12MM TILT	17
ECHOTORRENT® 12MM TAPER.....	18
INSTALLATION	19
A: INSTALLING UPPER AND LOWER MOUNTING RAIL	19
B: ROPE KNOTTING, LANES AND TENSIONING	19
C: INSTALLING COVER FOR MOUNTING RAILS.....	19
D: SUSPENDING ACOUSTIC ABSORBERS	20
E: REMOVING ACOUSTIC ABSORBERS	20
CLEANING & CARE	21

TENDER TEXT



PRODUCT NAME

EchoTorrent® 24mm

DESCRIPTION

High-performance acoustic room divider with textile surface made of 100% PET.

The EchoTorrent® acoustic room dividers had been designed for extra high rooms with a ceiling height of up to four meters. The high-performance acoustic absorbers can be positioned in individual heights. The minimalistic design reflects the manufacturer's mission to pursue the idea of dematerialisation and functionality.

PRODUCT PROPERTIES

1200x2300-4000x57mm

ACOUSTIC PERFORMANCE

aw: 1.00

NRC: 0.95

INSTALLATION

- Quick installation
- Suitable for use indoors as well as covered outdoor spaces
- Very easy to re-cut with a knife

MATERIAL PROPERTIES

- Extremely robust and shockproof
- Very high colour fastness of the all-round homogeneous textile surface available in over 20 colours
- Flame retardant. B-s1,d0 certified according to EN 13501
- Extremely low volatile organic compounds below $< 0.5\text{mg/m}^2/\text{h}$, certified according to ASTM D5116
- Formaldehyde emission below $< 0.1\text{mg/m}^2/\text{h}$, certified according to ASTM D5116
- Dimensionally stable up to 50°C and 95%rH
- Melting point: 250°C
- Decomposition Temp: $> 250^\circ\text{C}$
- Alkalinity: pH: 7.8 (pH 7 is neutral)

CLEANING & CARE

Can be cleaned dry and damp with chlorine or hydrogen peroxide.

ENVIRONMENT

- 100% PET with a content of over 50% from recycled PET bottles
- 100% recyclable
- eco-1 rating within eco-bau & Minergie-Eco requirements
- Cradle to Cradle Bronze certified

DISPOSAL

The product is recyclable as part of ECHOJAZZ's stewardship programme.

DATASHEET ECHOBOARD® 12MM



EchoBoard® 12mm is a high quality sound absorber with an α_w of up to 0.90 and a NRC of up to 0.85, which can be used for acoustic ceilings, walls, office desks or room dividers.

NAME	EchoBoard® 12mm
DIMENSIONS	1200mm (± 1 mm) x 2800mm (± 1 mm)
COMPOSITION	100% PET (> 50% recycled PET)
PET-BOTTLES* PER PANEL	168 PET-Bottles *The number of PET bottles refers to 500ml PET bottles with a bottle weight of 24g.
WEIGHT	2400g/m ² ($\pm 10\%$)
MATERIAL THICKNESS	12mm
LIGHT FASTNESS ISO 105-B02-1994	> 7
FIRE PROTECTION EN 13501	B-s1, d0
VOC EMISSIONS ASTM D5116	< 0.5mg/m ² /h
FORMALDEHYDE EMISSIONS ASTM D5116	< 0.1mg/m ² /h
ENVIRONMENTAL CERTIFICATES	eco1 Minergie-Eco Cradle to Cradle Certified® Bronze M1 emission-free materials
ABSORPTION COEFFICIENT DIN EN ISO 11654 ASTM C423	α_w 0.30 (direct mounting) α_w 0.60 (50mm wall/ceiling distance) α_w 0.90 (200mm wall/ceiling distance) NRC = 0.45 (direct mounting) NRC = 0.70 (50mm wall/ceiling distance) NRC = 0.85 (200mm wall/ceiling distance)
COLOURS	> 10
ABSORPTION GRAPH	SOUND ABSORPTION COEFFICIENT FREQUENCY (HZ) — Sound absorption coefficient (direct mount) — Sound absorption coefficient (50mm) — Sound absorption coefficient (200mm)

COLOURS ECHOBOARD® 12MM



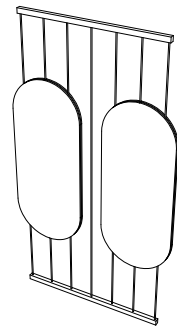
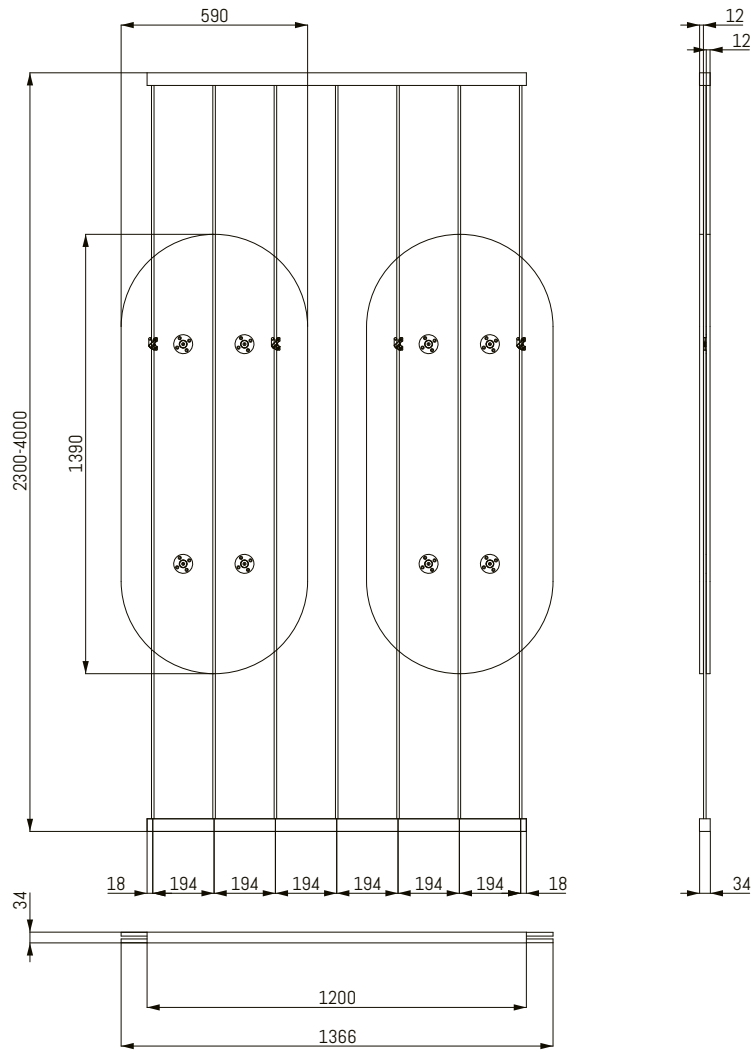
ECHOBOARD® 12MM



DIMENSIONS & PARTS



ECHOTORRENT® 12MM OBLONG
1721
1200x2300-4000x34mm



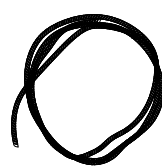
PARTS



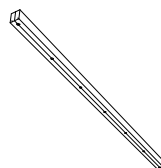
2x
EchoBoard® 12mm
+ Rope clamps
+ Metal plates



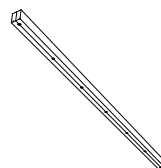
2x
EchoBoard® 12mm
+ Pot magnets



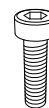
1x
Rope
Ø6mm



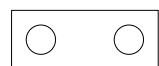
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm



2x
Screw frame
Hexagon socket M8x20



1x
Rope locking plate
60x20x6mm

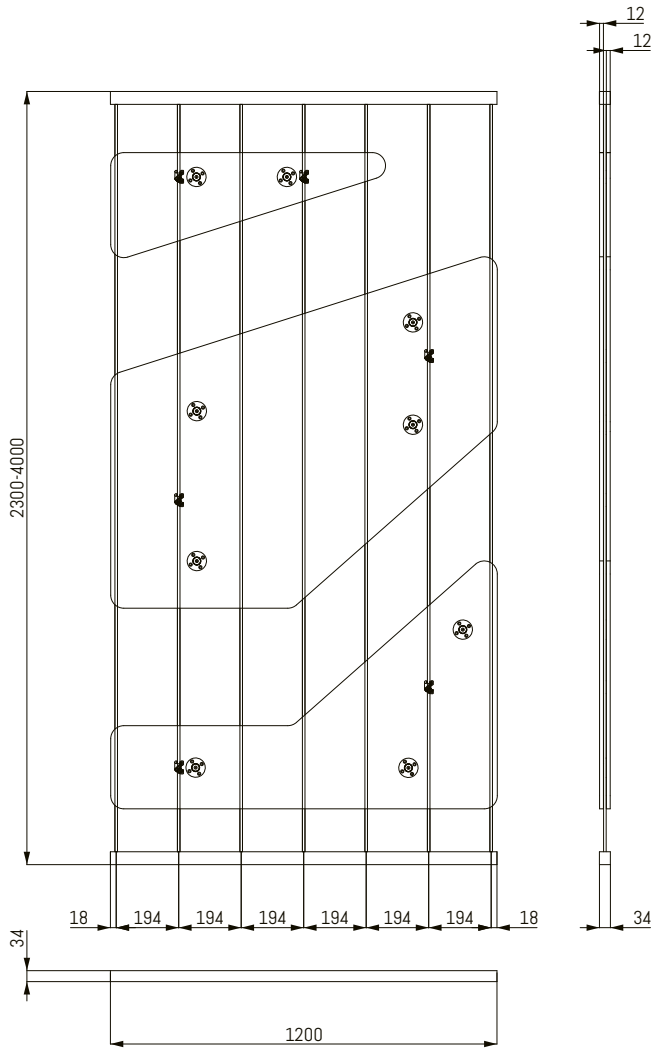
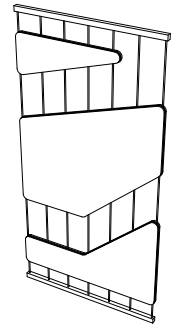
DIMENSIONS & PARTS



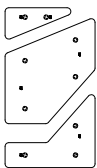
ECHOTORRENT® 12MM BUTTERFLY

1722

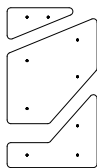
1200x2300-4000x34mm



PARTS



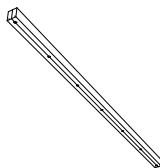
1x
EchoBoard® 12mm (3x)
+ Rope clamps
+ Metal plates



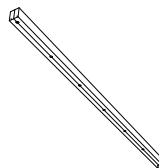
1x
EchoBoard® 12mm (3x)
+ Pot magnets



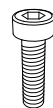
1x
Rope
Ø6mm



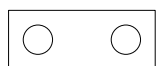
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm

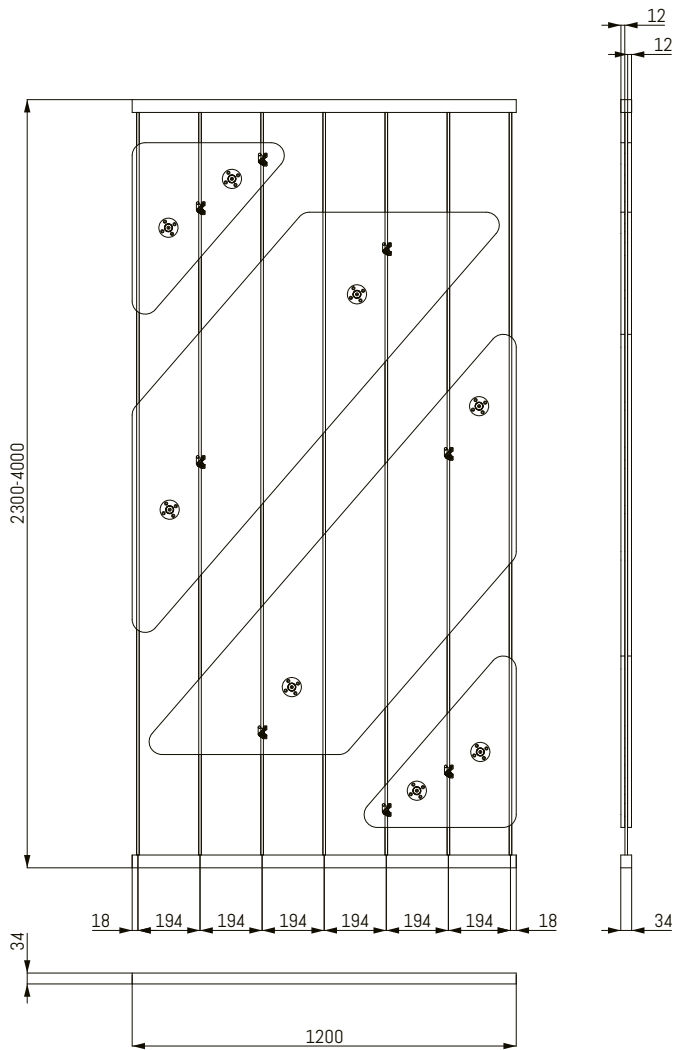
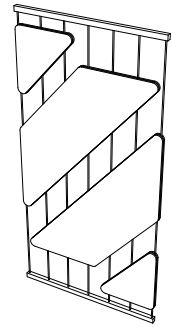


2x
Screw frame
Hexagon socket M8x20



1x
Rope locking plate
60x20x6mm

1200x2300-4000x34mm



1x
Rope locking plate
60x20x6mm

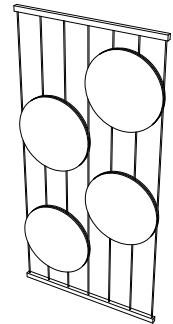
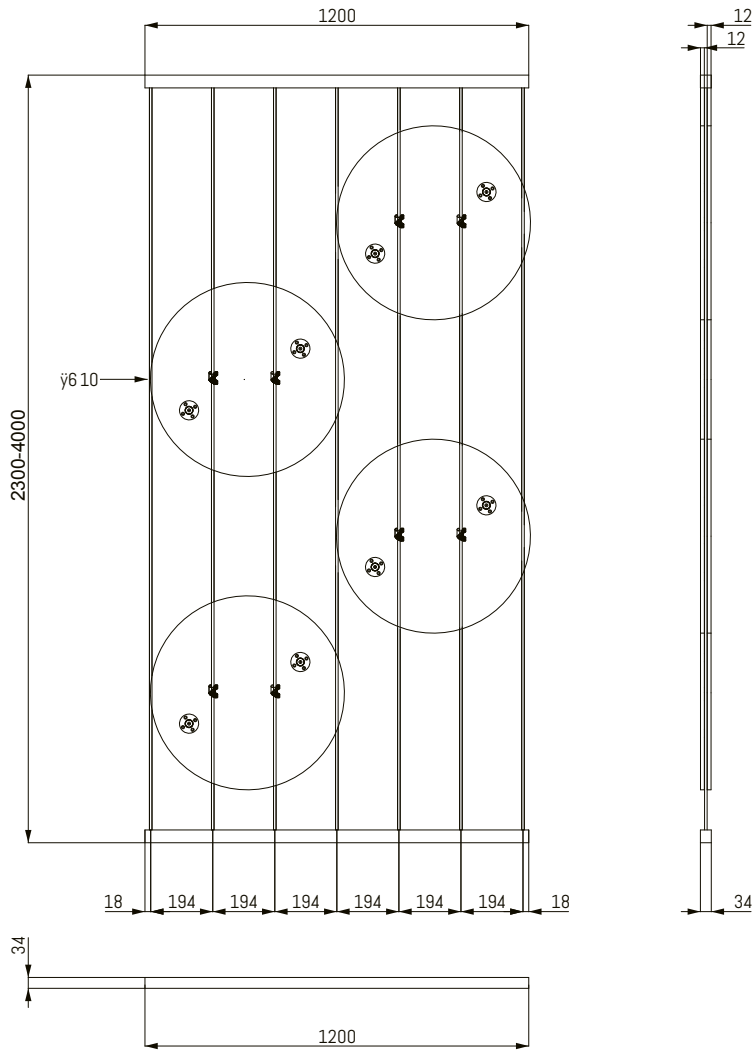
DIMENSIONS & PARTS



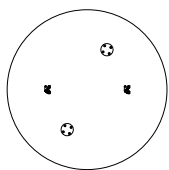
ECHOTORRENT® 12MM DOT

1724

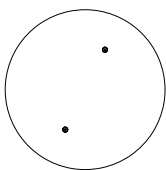
1200x2300-4000x34mm



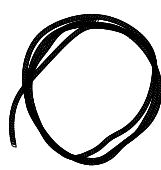
PARTS



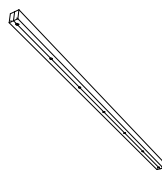
4x
EchoBoard® 12mm
+ Rope clamps
+ Metal plates



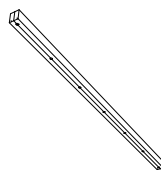
4x
EchoBoard® 12mm
+ Pot magnets



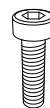
1x
Rope
Ø6mm



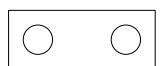
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm



2x
Screw frame
Hexagon socket M8x20



1x
Rope locking plate
60x20x6mm

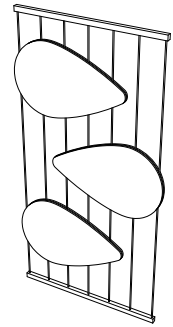
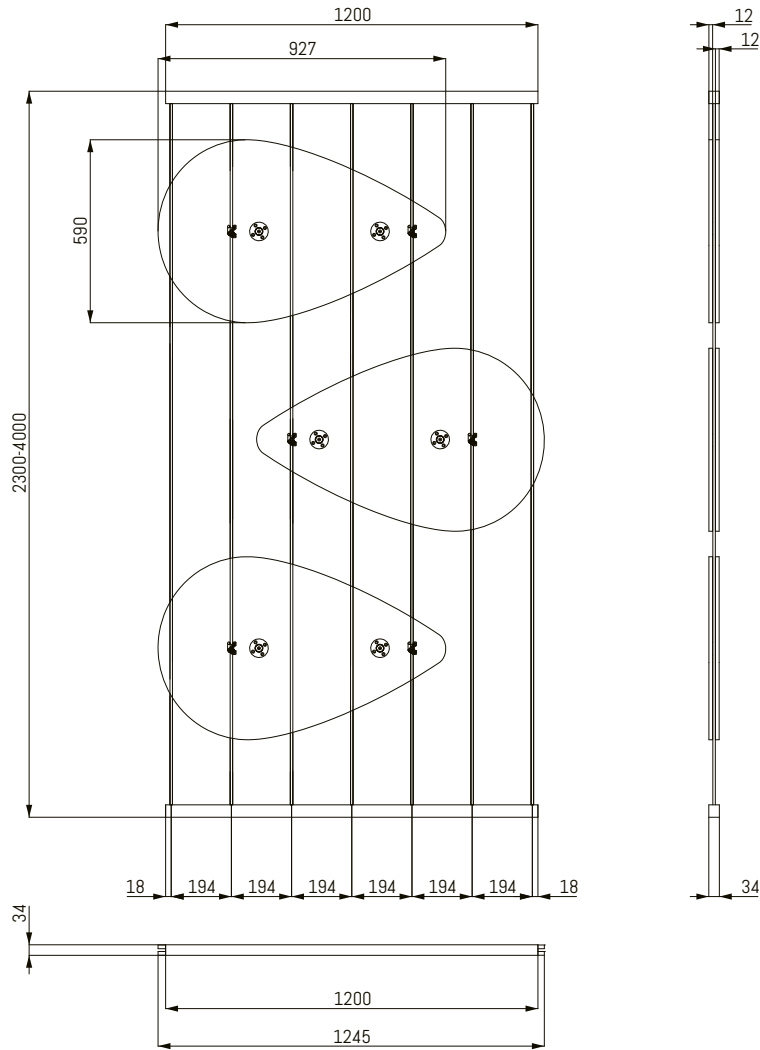
DIMENSIONS & PARTS



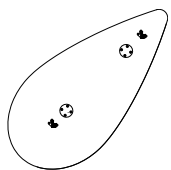
ECHOTORRENT® 12MM DROP A

1725

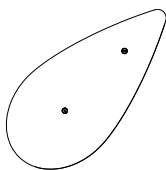
1200x2300-4000x34mm



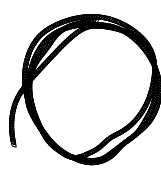
PARTS



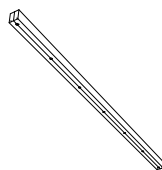
3x
EchoBoard® 12mm
+ Rope clamps
+ Metal plates



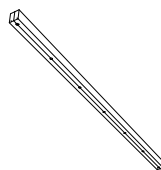
3x
EchoBoard® 12mm
+ Pot magnets



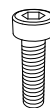
1x
Rope
Ø6mm



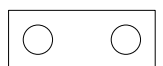
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm

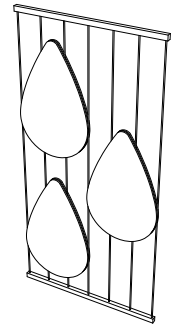
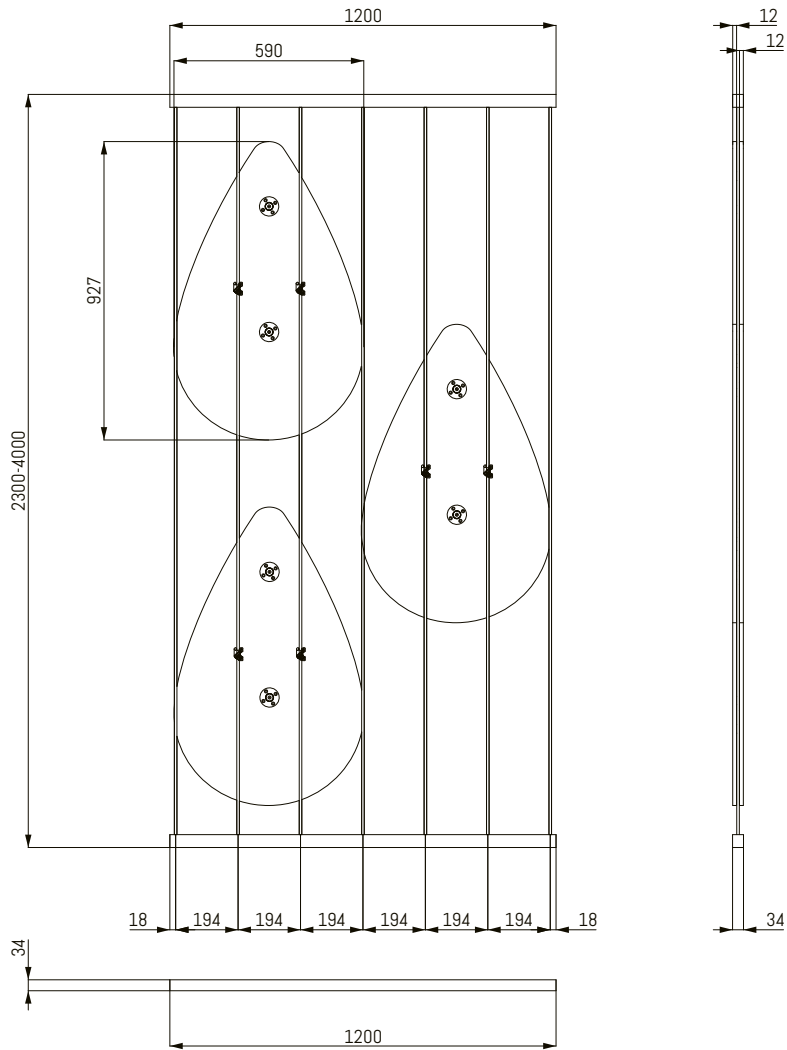


2x
Screw frame
Hexagon socket M8x20



1x
Rope locking plate
60x20x6mm

1200x2300-4000x34mm



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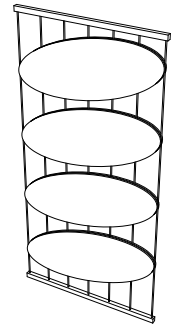
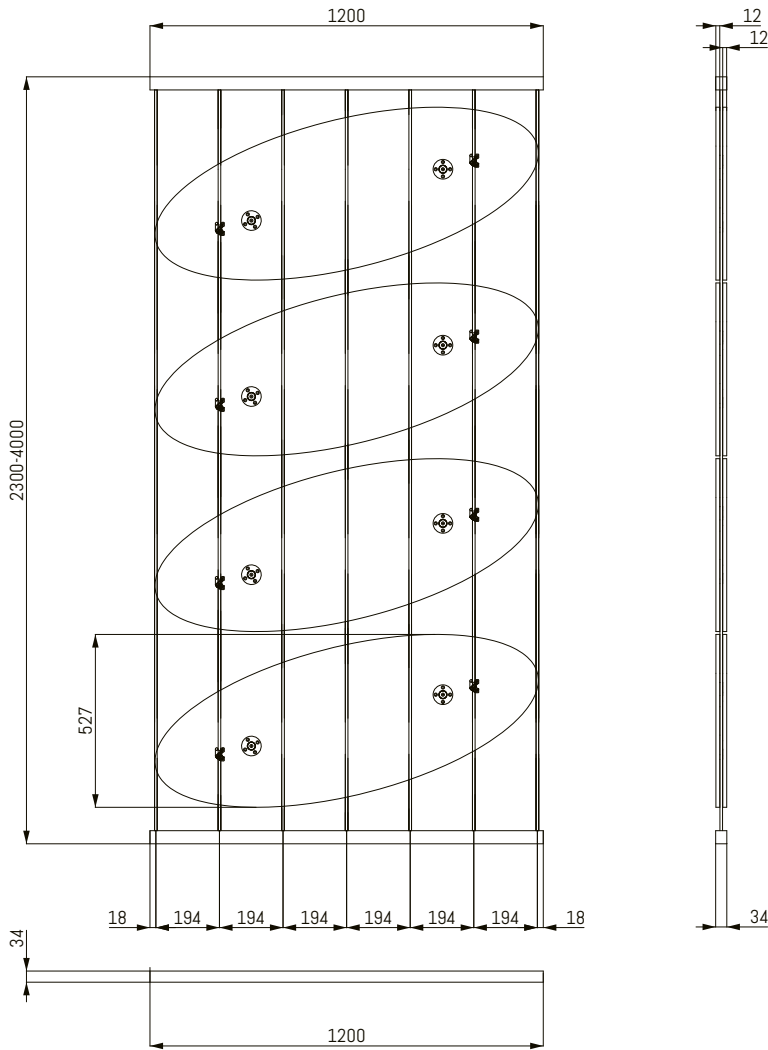
DIMENSIONS & PARTS



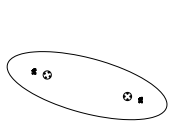
ECHOTORRENT® 12MM ELLIPSE A

1727

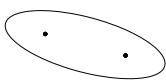
1200x2300-4000x34mm



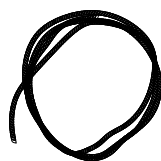
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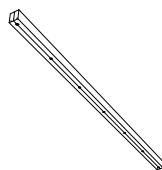
4x
EchoBoard® 12mm
+ Rope clamps
+ Metal plates



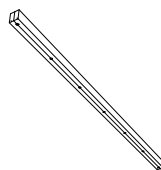
4x
EchoBoard® 12mm
+ Pot magnets



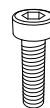
1x
Rope
Ø6mm



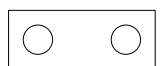
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm



2x
Screw frame
Hexagon socket M8x20



1x
Rope locking plate
60x20x6mm

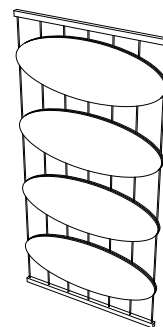
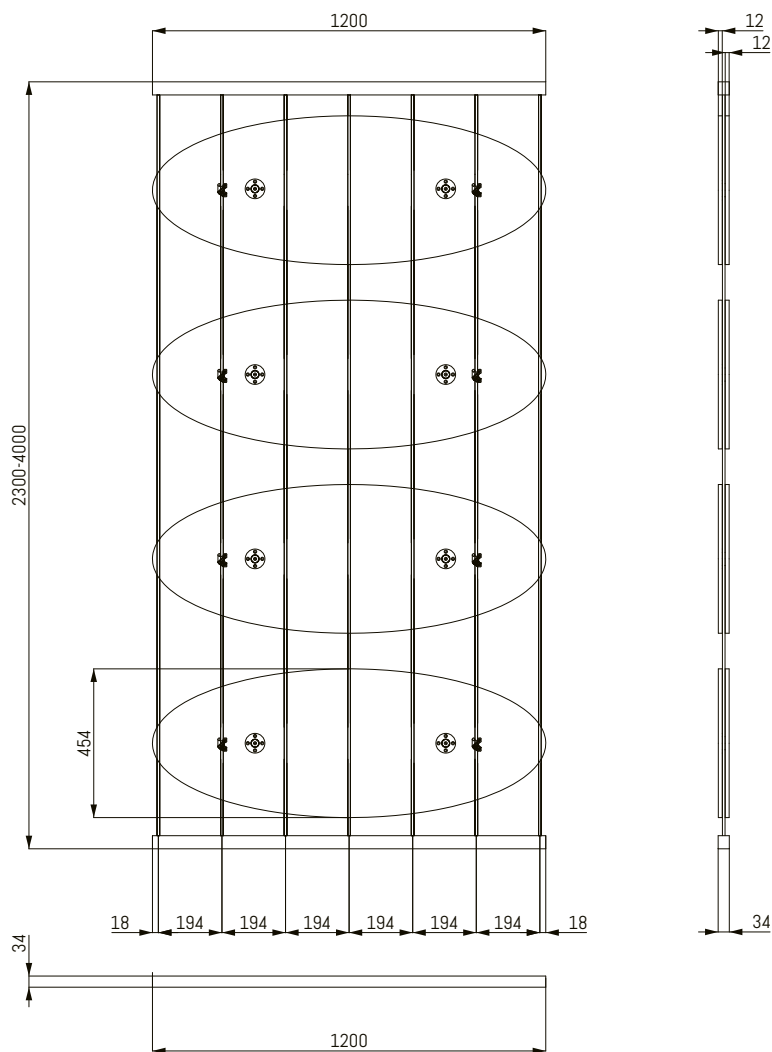
DIMENSIONS & PARTS



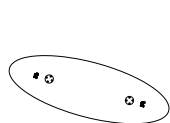
ECHOTORRENT® 12MM ELLIPSE B

1728

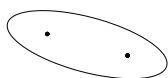
1200x2300-4000x34mm



PARTS



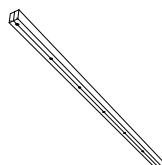
4x
EchoBoard® 12mm
+ Rope clamps
+ Metal plates



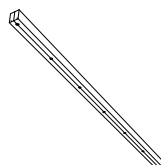
4x
EchoBoard® 12mm
+ Pot magnets



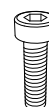
1x
Rope
Ø6mm



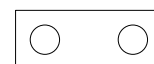
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm



2x
Screw frame
Hexagon socket M8x20



1x
Rope locking plate
60x20x6mm

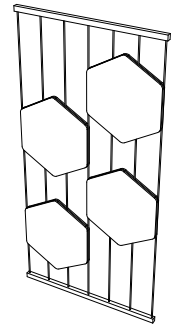
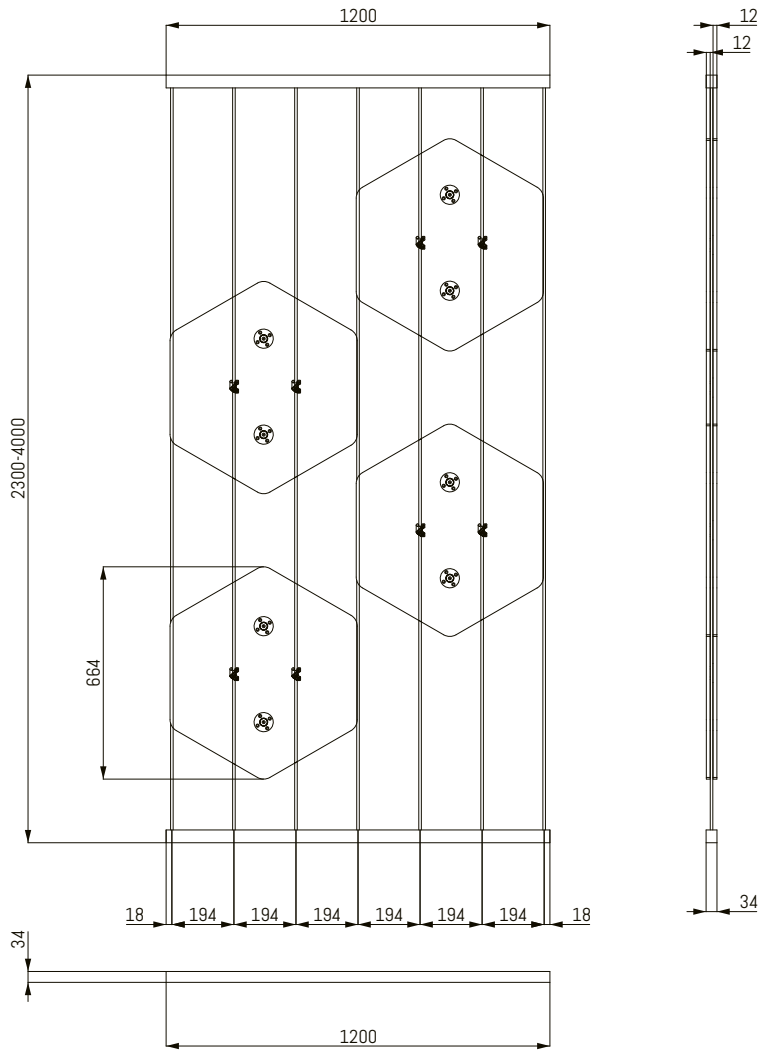
DIMENSIONS & PARTS



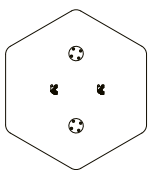
ECHOTORRENT® 12MM HEXAGON A

1729

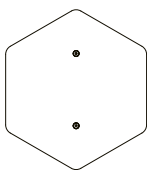
1200x2300-4000x34mm



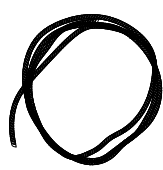
PARTS



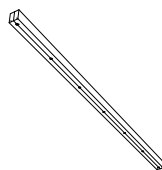
4x
EchoBoard® 12mm
+ Rope clamps
+ Metal plates



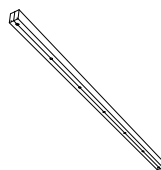
4x
EchoBoard® 12mm
+ Pot magnets



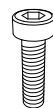
1x
Rope
Ø6mm



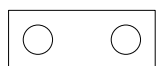
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm



2x
Screw frame
Hexagon socket M8x20



1x
Rope locking plate
60x20x6mm

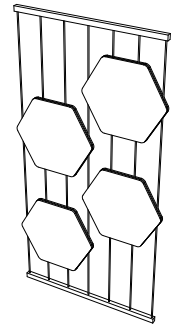
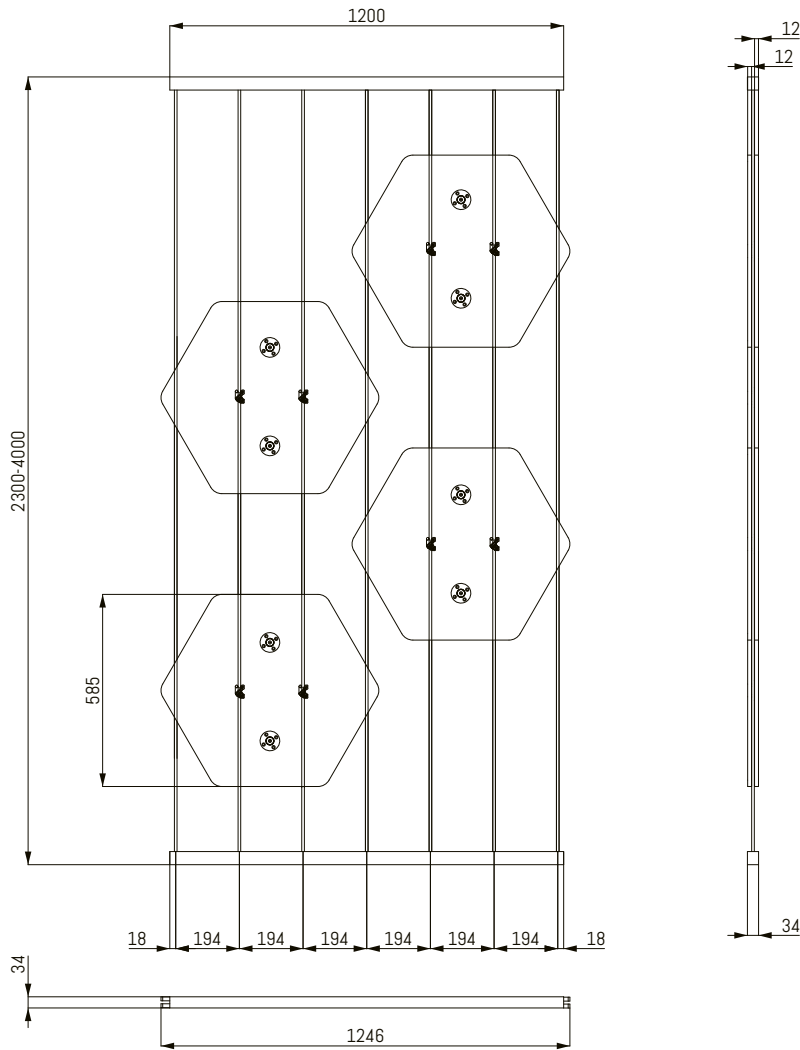
DIMENSIONS & PARTS



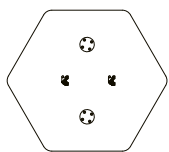
ECHOTORRENT® 12MM HEXAGON B

1730

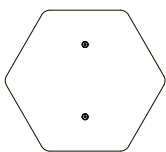
1200x2300-4000x34mm



PARTS



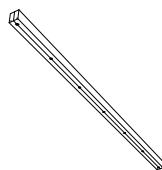
4x
EchoBoard® 12mm
+ Rope clamps
+ Metal plates



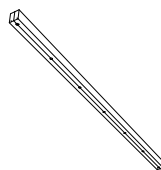
4x
EchoBoard® 12mm
+ Pot magnets



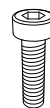
1x
Rope
Ø6mm



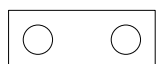
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm



2x
Screw frame
Hexagon socket M8x20

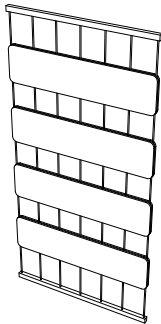
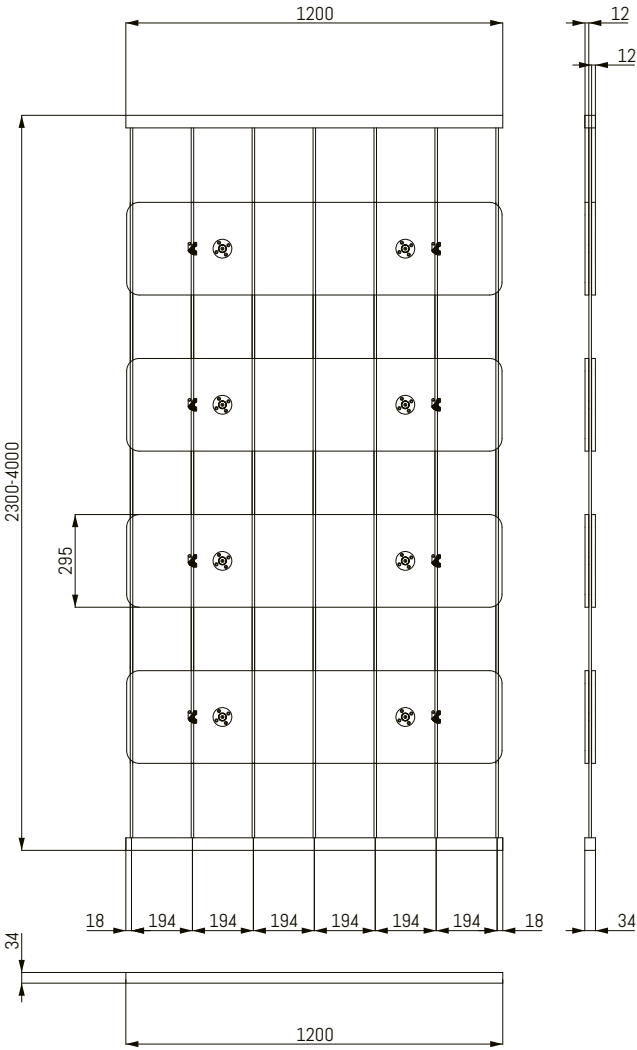


1x
Rope locking plate
60x20x6mm

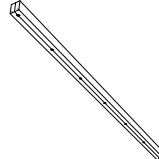
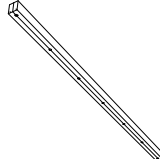
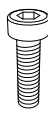
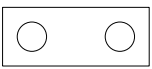
DIMENSIONS & PARTS



ECHOTORRENT® 12MM PLANK
1731
1200x2300-4000x34mm



PARTS

						
4x EchoBoard® 12mm + Rope clamps + Metal plates	4x EchoBoard® 12mm + Pot magnets	1x Rope Ø6mm	1x Top mounting rail 1200x40x34mm	1x Bottom mounting rail 1200x40x34mm	2x Screw frame Hexagon socket M8x20	1x Rope locking plate 60x20x6mm

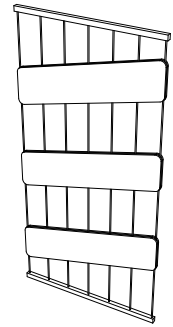
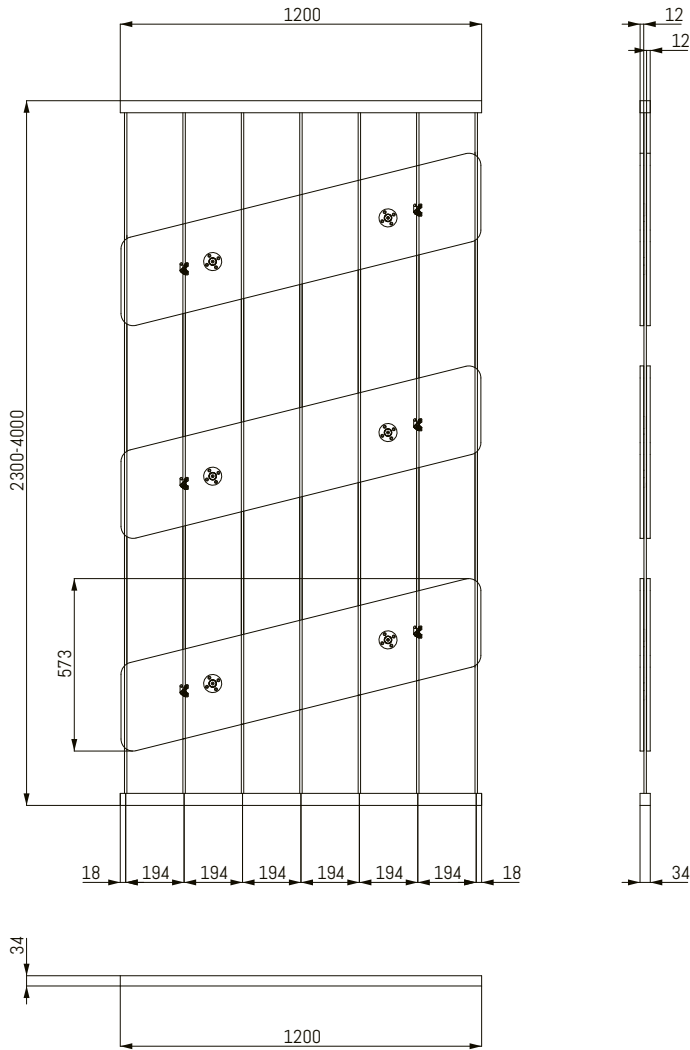
DIMENSIONS & PARTS



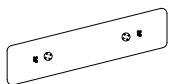
ECHOTORRENT® 12MM TILT

1732

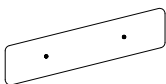
1200x2300-4000x34mm



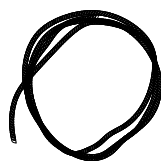
PARTS



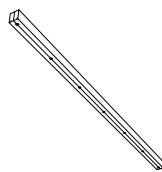
3x
EchoBoard® 12mm
+ Rope clamps
+ Metal plates



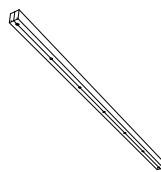
3x
EchoBoard® 12mm
+ Pot magnets



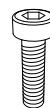
1x
Rope
Ø6mm



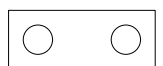
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm



2x
Screw frame
Hexagon socket M8x20



1x
Rope locking plate
60x20x6mm

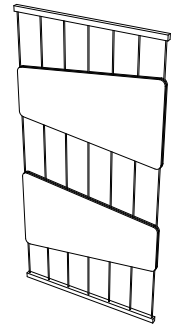
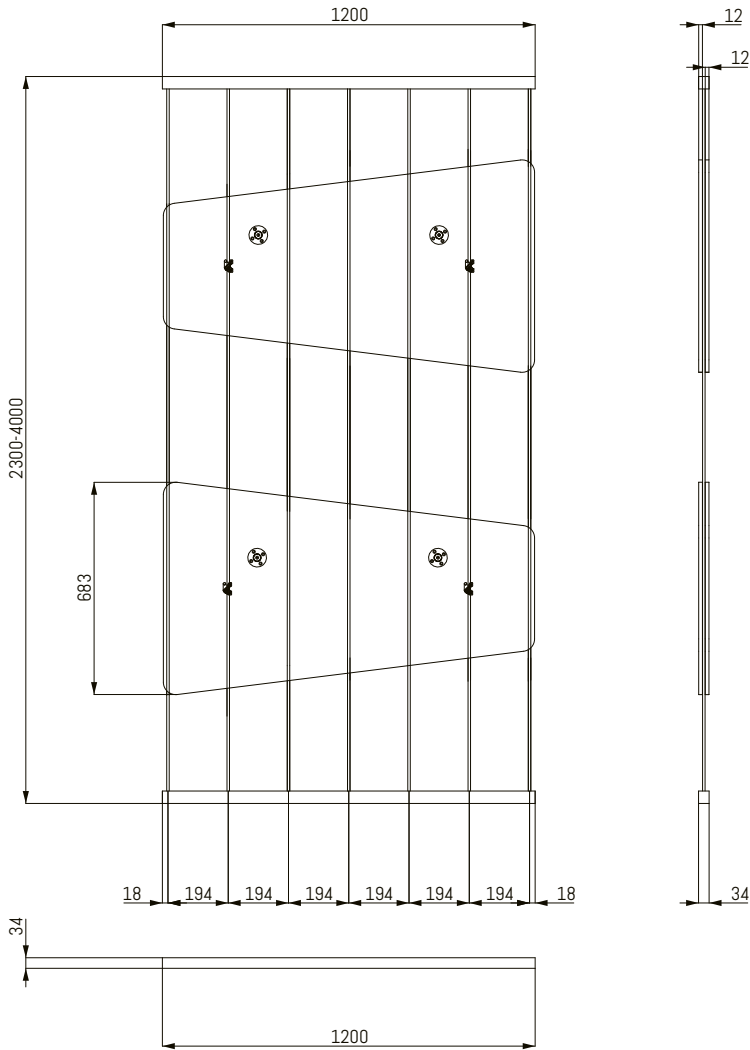
DIMENSIONS & PARTS



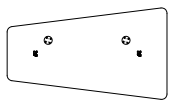
ECHOTORRENT® 12MM TAPER

1733

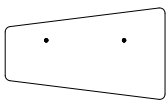
1200x2300-4000x34mm



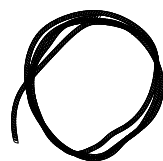
PARTS



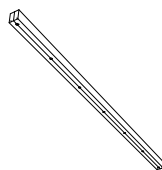
2x
EchoBoard® 12mm
+ Rope clamps
+ Metal plates



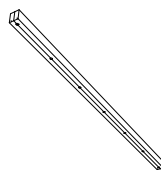
2x
EchoBoard® 12mm
+ Pot magnets



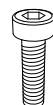
1x
Rope
Ø6mm



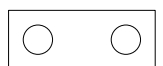
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm



2x
Screw frame
Hexagon socket M8x20

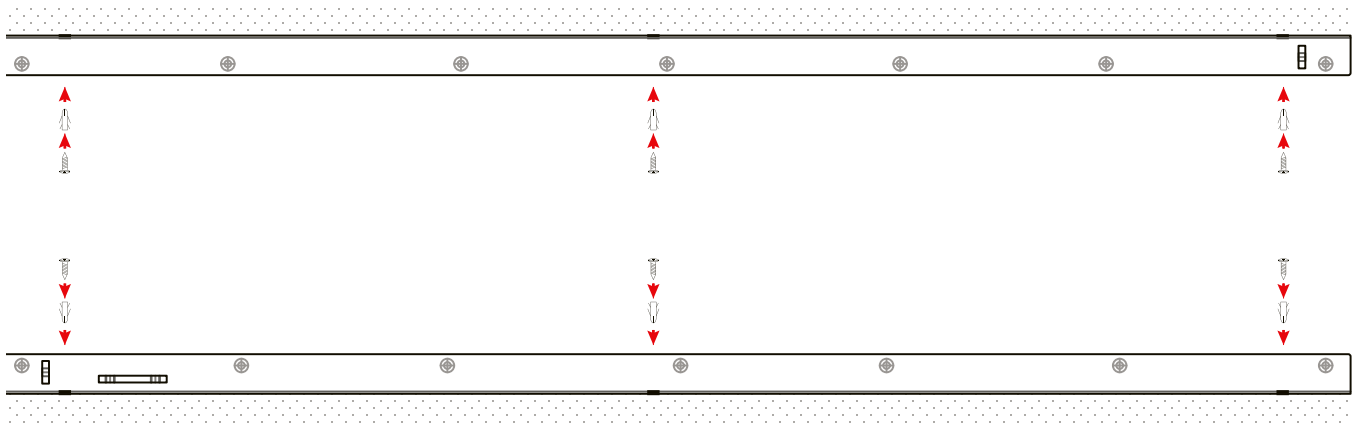


1x
Rope locking plate
60x20x6mm

INSTALLATION

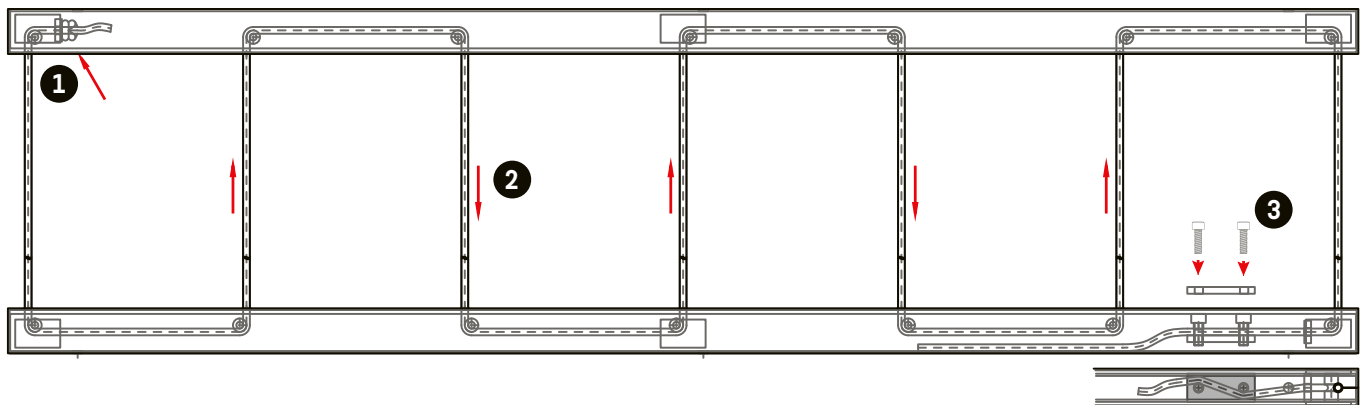
A: INSTALLING UPPER AND LOWER MOUNTING RAIL

In the first step, the upper and lower mounting rails are fixed to the ceiling and floor with screws and dowels.



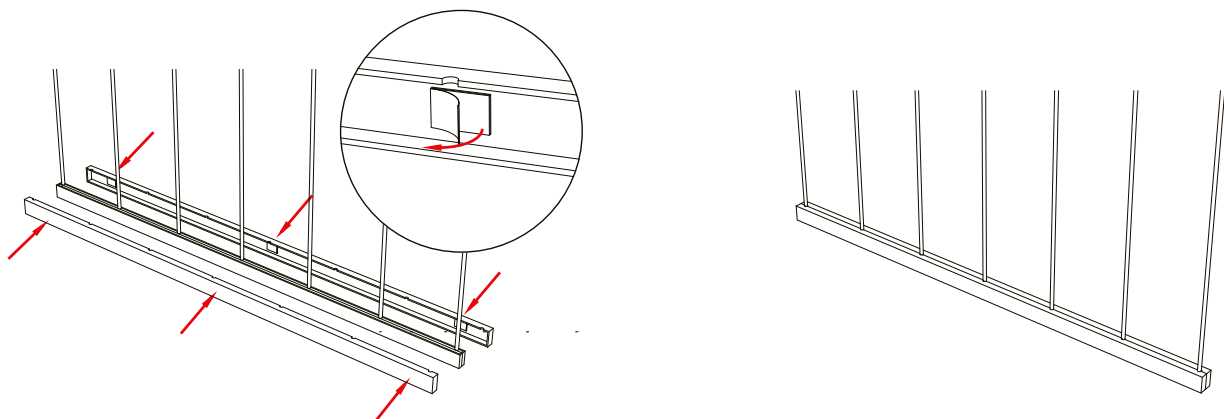
B: ROPE KNOTTING, LANES AND TENSIONING

First of all thread the rope with a knot on the upper mounting rail. Then wind the rope back and forth between both mounting rails. Finally, tension and secure the rope to the lower mounting rail with two cylinder head screws.

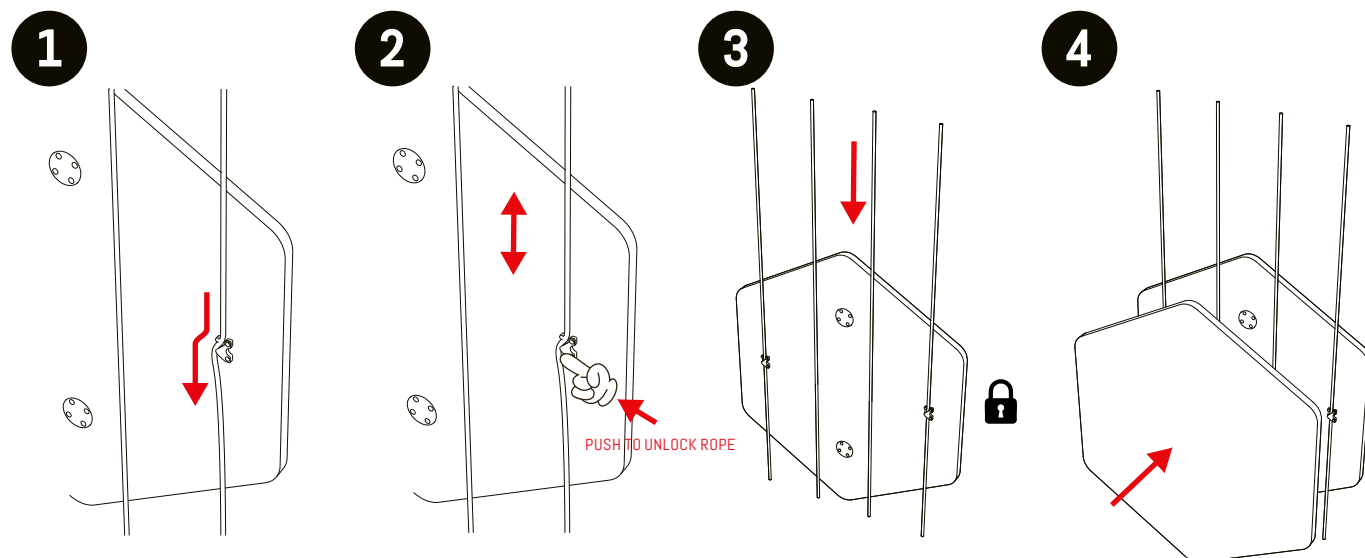


C: INSTALLING COVER FOR MOUNTING RAILS

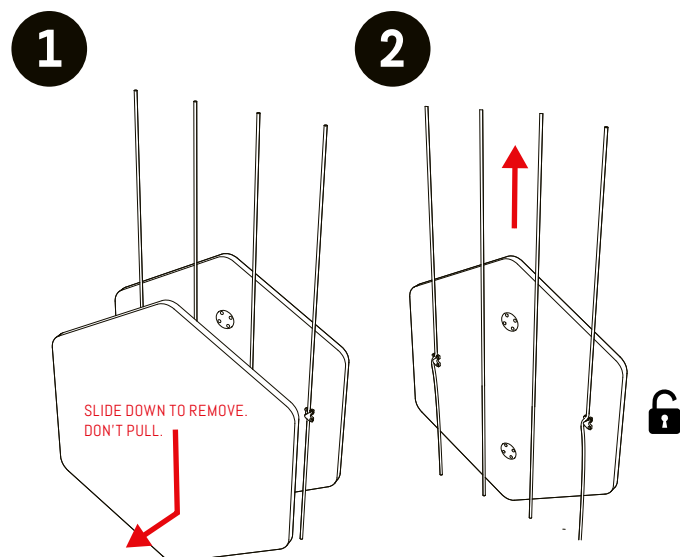
Remove protective layer from hook-and-loop fasteners which are already attached to mounting rail covers. Next, close and press mounting rail covers from both sides. Wait 24h before reopening covers for glue to let maximum adhesion develop.



D: SUSPENDING ACOUSTIC ABSORBERS



E: REMOVING ACOUSTIC ABSORBERS



SURFACE DISINFECTION

Spray disinfectants can be used for rapid surface disinfection.



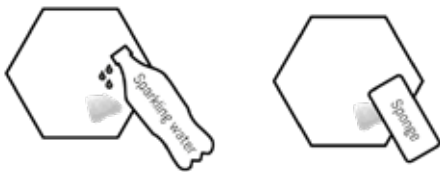
DUSTER/VACUUM CLEANER

For dusting use duster or vacuum cleaner.



SPARKLING WATER

For slight contamination apply sparkling water to polluted area. Wipe carefully with a sponge.



UPHOLSTERY CLEANER

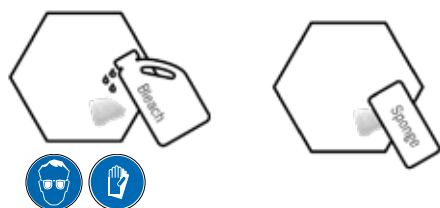
For medium contamination apply upholstery cleaner to polluted area. Wipe carefully with a sponge.



BLEACH

For heavy contamination apply bleach as chlorine or hydrogen peroxide on polluted area. Wipe carefully with a sponge and sparkling water.

Use of protection gloves and glasses is mandatory!



Please make first a cleaning attempt on an inconspicuous spot. Follow the instructions of the cleaning agents.